

Application No. 10/757,459
Attorney Docket No. 740756-2702
Page 2

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the steps of:

forming a seal material layer that surrounds a pixel area provided ~~[[over]]~~ on a first substrate;
discharging a plurality of droplets containing a liquid crystal only ~~[[over]]~~ on a region of the first substrate, the region being surrounded by the seal material layer;
pasting the first substrate ~~[[to]]~~ and a second substrate; and
dividing the pasted pair of the first and second substrates.

2. (Currently Amended) A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the steps of:

forming a first seal material layer that surrounds a pixel area provided on a first substrate;
forming a seal material layer on a second substrate;
forming a liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal only ~~[[over]]~~ on a region of ~~[[a]]~~ the first substrate, the region being surrounded by the seal material layer;
pasting a second substrate that is patterned with a seal material to the first substrate and the second substrate; and
dividing the pasted pair of the first and second substrates.

W660482.1

Best Available Copy

Application No. 10/757,459
Attorney Docket No.: 740756-2702
Page 3

3. (Currently Amended) A manufacturing method of a liquid crystal display device provided with a pair of substrates and a liquid crystal retained between the pair of the substrates, comprising the steps of:

~~patterning a first substrate and a second substrate with a seal material;~~

forming a first seal material layer that surrounds a pixel area provided on a first substrate;

forming a second seal material layer on a second substrate;

forming a first liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal ~~[[over]]~~ only on a first region of the first substrate, the first region being surrounded by the first seal material layer;

forming a second liquid crystal layer by selectively discharging a plurality of droplets containing a liquid crystal ~~over~~ only on a second region of the second substrate, the second region being surrounded by the second seal material layer; and

pasting the first substrate and second substrate so that the first and second liquid crystal layers contact and overlap one another.

4. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 1, wherein the plurality of droplets is discharged over a pixel electrode provided ~~[[over]]~~ on ~~[[a]]~~ the pixel area from a plurality of nozzles.

5. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 2, wherein the plurality of droplets is discharged over a pixel electrode provided ~~[[over]]~~ on ~~[[a]]~~ the pixel area from a plurality of nozzles.

W660432.1

Application No. 10/757,459
Attorney Docket No. : 740756-2702
Page 4

6. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 3, wherein the plurality of droplets is discharged over a pixel electrode provided ~~[[over]]~~ on ~~[[a]]~~ the pixel area from a plurality of nozzles.

7. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

8. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

9. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out while the first substrate is heated.

10. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 1, wherein the steps of pasting the pair of first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

11. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 2, wherein the steps of pasting the pair of first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure.

WG60432.1

Application No. 10/757,459
Attorney Docket No.: 740756-2702
Page 5

12. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 3, wherein the steps of pasting the pair of first and second the substrates is carried out in an inert atmosphere under an atmospheric pressure, or under reduced pressure

13. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 1, wherein the plurality of droplets containing the liquid crystal are discharged ~~[[on]]~~ over a pixel electrode under reduced pressure, and a liquid crystal layer is formed with the droplets of the liquid crystal applied to the pixel electrode.

14. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 2, wherein the plurality of droplets containing the liquid crystal are discharged ~~[[on]]~~ over a pixel electrode under reduced pressure, and a liquid crystal layer is formed with the droplets of the liquid crystal applied to the pixel electrode.

15. (Currently Amended) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

16. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

17. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in an inert atmosphere under 1×10^2 Pa to 2×10^4 Pa.

W660432.1

Application No. 10/757,459
Attorney Docket No.: 740756-2702
Page 6

18. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

19. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

20. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of the droplets containing the liquid crystal is preformed in a vacuum at 1 Pa to 5×10^4 Pa.

21. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied intermittently.

22. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied intermittently.

23. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied intermittently.

24. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal is applied continuously.

W660432.1

Application No. 10/757,459
Attorney Docket No. 740756-2702
Page 7

25. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal is applied continuously.

26. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal is applied continuously.

27. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is an active matrix type.

28. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is an active matrix type.

29. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is an active matrix type.

30. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the liquid crystal display device is a passive matrix type.

31. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the liquid crystal display device is a passive matrix type.

32. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the liquid crystal display device is a passive matrix type.

W660432.1

Application No. 10/757,459
Attorney Docket No.: 740756-2702
Page 8

33. (Original) A manufacturing method of a liquid crystal display device according to claim 1, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

34. (Original) A manufacturing method of a liquid crystal display device according to claim 2, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

35. (Original) A manufacturing method of a liquid crystal display device according to claim 3, wherein the step of discharging the plurality of droplets containing the liquid crystal is carried out by ink jet.

36. (Original) A liquid crystal display device, comprising:
a pair of substrates which are pasted together with a first seal material that surrounds a pixel area and a second seal material that surrounds the first seal material;
a liquid crystal retained in a region surrounded by the first seal material; and
a filler material formed between the first seal material and the second seal material.

37. (Original) A liquid crystal display device according to claim 36, wherein the first seal material and the second seal material have closed patterns.

38. (Original) A liquid crystal display device according to claim 36, wherein a driver circuit is disposed between the first seal material and the second seal material.

W660432.1

Application No. 10/757,459
Attorney Docket No. 740756-2702
Page 9

39. (Original) A method according to claim 1, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

40. (Original) A method according to claim 2, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

41. (Original) A method according to claim 3, wherein the liquid crystal display device is incorporated with an electronic device selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

42. (Original) An electronic device comprising the liquid crystal display device according to claim 36, wherein the electronic device is selected from the group consisting of a personal computer, a mobile computer, a CD player, a DVD player, a portable book and a display device.

W660432.1

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☒ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.